



### ABSTRACT OF THE DISCLOSURE

A number of peptides of from 28 to 44 amino acids, including therein a sequence of L-K-E-K-K (SEQ ID NO: 1) have a physiological activity that can be wound healing activity, immunostimulant activity, or growth factor activity. The peptides can be linear or circular, and if  
5 linear, the amino terminus can be optionally acetylated. The invention also includes nucleic acids encoding these peptides, vectors incorporating these nucleic acid sequences, and host cells transfected with these vectors, as well as methods for producing these peptides by culturing these host cells and purifying these peptides. The invention further includes pharmaceutical compositions and methods for using these peptides.